

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IB 03/06059

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 F25D31/00 B67D1/08 A61L2/18 A61L2/04

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F25D B67D A61L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 646 207 C (ROBERT BOSCH AKT GES) 12 June 1937 (1937-06-12) page 2, line 109 -page 4, line 114; figures 1-6	1-15
X	US 1 811 215 A (SMITH ADEN E) 23 June 1931 (1931-06-23) page 1, line 68 -page 3, line 24; figures 1-5	1-4, 42
X	DE 17 51 583 A (DEPPENWIESE GERHARD) 29 April 1971 (1971-04-29) page 4, paragraph 3 -page 5, last paragraph; figure -/--	1-4

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*A\* document member of the same patent family

Date of the actual completion of the international search

12 May 2004

Date of mailing of the international search report

21/05/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Boets, A

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IB 03/06059

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	EP 0 191 436 A (SIPP SPA) 20 August 1986 (1986-08-20) page 6, paragraph 2 -page 8, last paragraph; figure ---	1,2,7,8, 21,22 12,13,42
X	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 04, 31 August 2000 (2000-08-31) & JP 2000 028249 A (HOSHIZAKI ELECTRIC CO LTD), 28 January 2000 (2000-01-28) abstract ---	1,2,21, 22,42
X A	DE 684 559 C (BOSCH GMBH ROBERT) 30 November 1939 (1939-11-30) page 2, line 64 -page 3, line 80; figure ---	1,2,21, 42 11,27
X	GB 2 213 246 A (IMI CORNELIUS) 9 August 1989 (1989-08-09) page 6, line 7 - line 23; figure 4 ---	1,2,21, 42
A	US 6 442 960 B1 (FOURNIER ERIC ET AL) 3 September 2002 (2002-09-03) cited in the application  the whole document ---	1,5,6,8, 10-13, 15,27, 37,38, 41-47, 50,52
A	US 2 342 299 A (PEET GERALD D) 22 February 1944 (1944-02-22) page 1, right-hand column, line 32 -page 4, left-hand column, line 32; figures 1-10 ---	1,23-26
A	GB 2 205 638 A (IMI CORNELIUS) 14 December 1988 (1988-12-14) page 7, line 3 -page 12, line 12; figures 1-4 ---	1,23-26
X Y	US 2 093 839 A (KILLEN JAMES R) 21 September 1937 (1937-09-21) page 2, right-hand column, line 29 -page 4, left-hand column, line 57; figures 2,3 ---	46,48 49
Y	US 6 309 470 B1 (SCHAAL CHRISTIAN ET AL) 30 October 2001 (2001-10-30) examples 1-3 ---	49
A	DE 199 22 084 A (MESSER GRIESHEIM GMBH) 30 November 2000 (2000-11-30) column 1, line 44 -column 8, line 34; figure 1 --- -/--	46,47, 50,51,53

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IB 03/06059

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2 988 899 A (GEORGE HERON ANDREW) 20 June 1961 (1961-06-20) column 2, line 28 -column 4, line 13; figures 1-3 ----	51
A	DE 201 18 359 U (IONOX WASSER TECHNOLOGIE GMBH) 21 March 2002 (2002-03-21) -----	
A	US 2 143 961 A (STOCK ANTHONY T) 17 January 1939 (1939-01-17) -----	

**FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210**

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-45

Fluid cooling system having a particular heat transfer disposition and fluid dispenser incorporating such a fluid cooling system

2. Claims: 46-54

Method of sterilization

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/IB 03/06059

## Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☒ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

### Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IB 03/06059

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 646207	C	12-06-1937	NONE	
US 1811215	A	23-06-1931	NONE	
DE 1751583	A	29-04-1971	DE 1751583 A1	29-04-1971
EP 0191436	A	20-08-1986	IT 1183247 B EP 0191436 A1	15-10-1987 20-08-1986
JP 2000028249	A	28-01-2000	NONE	
DE 684559	C	30-11-1939	NONE	
GB 2213246	A	09-08-1989	NONE	
US 6442960	B1	03-09-2002	FR 2785600 A1 AT 233714 T AU 6206699 A BR 9915170 A CA 2350662 A1 CN 1106341 B DE 69905748 D1 DE 69905748 T2 EP 1129024 A1 ES 2194514 T3 WO 0027744 A1 FR 2785601 A1	12-05-2000 15-03-2003 29-05-2000 14-08-2001 18-05-2000 23-04-2003 10-04-2003 24-12-2003 05-09-2001 16-11-2003 18-05-2000 12-05-2000
US 2342299	A	22-02-1944	NONE	
GB 2205638	A	14-12-1988	NONE	
US 2093839	A	21-09-1937	NONE	
US 6309470	B1	30-10-2001	US 6346217 B1 US 2002094941 A1 AU 5307300 A CA 2374112 A1 EP 1196033 A2 WO 0072684 A2	12-02-2002 18-07-2002 18-12-2000 07-12-2000 17-04-2002 07-12-2000
DE 19922084	A	30-11-2000	DE 19922084 A1 AT 236850 T AU 4265499 A DE 19980937 D2 DE 59904963 D1 WO 9961366 A1 EP 1082267 A1	30-11-2000 15-04-2003 13-12-1999 16-08-2001 15-05-2003 02-12-1999 14-03-2001
US 2988899	A	20-06-1961	NONE	
DE 20118359	U	21-03-2002	DE 20118359 U1	21-03-2002
US 2143961	A	17-01-1939	NONE	

**Box No. VIII (ii) DECLARATION: ENTITLEMENT TO APPLY FOR AND BE GRANTED A PATENT**

*The declaration must conform to the standardized wording provided for in Section 212; see Notes to Boxes Nos. VIII, VIII (i) to (v) (in general) and the specific Notes to Box No. VIII (ii). If this Box is not used, this sheet should not be included in the request.*

Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent (Rules 4.17(ii) and 51bis.1(a)(ii)), in a case where the declaration under Rule 4.17(iv) is not appropriate:

In relation to this international application,

DIEAU S.A is entitled to apply for and be granted a patent by virtue of the following :

DIEAU S.A is entitled as employer of the inventors :

DIETSCHI , Eric  
FOURNIER, Eric  
PEREIRA Alexandre

This declaration is made for the purposes of the following designation for national/or regional patent : US

☐ This declaration is continued on the following sheet, "Continuation of Box No. VIII (ii)".